

## INTERNATIONAL SEARCH REPORT

 International application No.  
 PCT/JP03/14864

 A. CLASSIFICATION OF SUBJECT MATTER  
 Int.Cl.<sup>7</sup> H01J49/10, G01N27/62, 27/68

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)  
 Int.Cl.<sup>7</sup> H01J49/00-49/42

 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
 Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004  
 Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004

 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 JSTPlus (JOIS)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2002-15698 A (JEOL Ltd.), 18 January, 2002 (18.01.02), Full text; all drawings (Family: none)	1-20
Y	Shigeru SUZUKI et al., "Haikibutsu o Kigen to suru Kagaku Busshitsu no LC/MS Bunsekiho no Kento (1) Haikibutsu Kanren Kagaku Busshitsu Bunseki no Tame no LC/MS no Shin Ion-kaho", Dai 12 Kai Kankyo Kagaku Toronkai Yokoshu, Japan Society for Environ- mental Chemistry, 25 June, 2003 (25.06.03), pages 764 to 765, full text, all drawings	1-20
Y	JP 2001-93461 A (Hitachi, Ltd.), 06 April, 2001 (06.04.01), Par. No. [0030] & EP 1093151 A2	15,16

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

\* Special categories of cited documents:

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"&" document member of the same patent family

 Date of the actual completion of the international search  
 09 February, 2004 (09.02.04)

 Date of mailing of the international search report  
 24 February, 2004 (24.02.04)

 Name and mailing address of the ISA/  
 Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2-135655 A (Hitachi, Ltd.), 24 May, 1990 (24.05.90), Full text; all drawings (Family: none)	17, 18
A	JP 2002-15697 A (JEOL Ltd.), 18 January, 2002 (18.01.02), Full text; all drawings (Family: none)	9
E, X	JP 2004-28763 A (Japan Science and Technology Corp.), 29 January, 2004 (29.01.04), Full text; all drawings (Family: none)	1-16, 20
A	JP 2002-517887 A (Universite de Montreal), 18 June, 2002 (18.06.02), Full text; all drawings & WO 99/63577 A2 & AU 99/40266 A & US 6124675 A & EP 1084506 A2	1-20
A	JP 6-310091 A (Hitachi, Ltd.), 04 November, 1994 (04.11.94), Full text; all drawings & US 5485016 A	1-20
A	JP 59-35347 A (Masahiko TSUCHIYA), 27 February, 1984 (27.02.84), Full text; all drawings & DE 3329861 A & GB 2127212 A & US 4546253 A	1-20
A	JP 11-273615 A (Hitachi Tokyo Electronics Co., Ltd.), 08 October, 1999 (08.10.99), Full text; all drawings (Family: none)	1-20